

MACT Implementation Tools

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Presentation Overview

- OAQPS Organizational Chart
- MACT Implementation tools – what's PIRG working on & how do I access the info
- Paving New Ground – the 10-yr surface coating MACTs and the POWC Partnership Effort

OAQPS Organizational Chart

Office of Air Quality Planning and Standards
Steve Page [Director]

AQSSD
Air
Quality

EMAD
Emissions
Monitoring

ESD
Air Toxics
Rules

ITPID Information Transfer & Program Integration
PIRG – Program Implementation and Review Group

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PIRG - Who Are We?

- Different division from ESD – we're not rule writers (except for Federal Plans)
- Develop implementation tools for air toxics standards – 'Plain Language' folks
- Working on tools for several MACTs
- Moving towards more voluntary programs

Administrative



On Rotation to PIRG



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MACT Implementation Tools

What's Available?
How do I get the information?

MACT Implementation Tools

- | | |
|--------------------|----------------------------|
| Education | • brochures |
| Outreach | • applicability flowcharts |
| Compliance | • compliance timelines |
| Enforcement | • inspection checklists |
| | • facility lists |
| | • example forms |
| | • Q&As |

Accomplishments to Date

- Tools developed for ~30 “priority” MACT tools
 - Number of potential sources
 - Complexity of rule
 - Reductions in HAP
- Over 25 MACT-specific training
 - OECA Adopt-a-MACT efforts
 - RO and industry sponsored training

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Rules with Implementation Tools

<http://www.epa.gov/ttn/atw/macttools.html>

Chrome Electroplaters
Consumer Products
Dry Cleaners
Ethylene Oxide Sterilizers
Flexible Polyurethane Foam
General Provisions
Halogenated Solvents
HMIWI/MWC/Landfills (111d)
Large Appliances
Metal Coil
Off Site Waste

**Handouts
do not
show the
full list**

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Recently Completed Activities

- Landfills - including example calculations and malfunction plan
- Secondary Aluminum – including example malfunction plan
- Federal Plans - for Commercial Industrial Solid Waste Incinerator & Municipal Waste Incinerator

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Current Activities - MACT

- Aerospace Outreach Effectiveness Survey
- Dry Cleaning EMS
- Industrial, Commercial, Institutional Boilers
- Miscellaneous Coating Manufacturing
- Plywood/Composite Wood Products
- Reciprocating Internal Combustion Engines
- Reinforced Plastics Composites Production
- Surface Coating rules

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Air Toxics Website



The
One-Stop
Internet
Shopping
Site

www.epa.gov/ttn/atw

EPA United States Environmental Protection Agency **Office of Air Quality Planning & Standards** **OAQPS**

TINWeb Technology Transfer Network **ATW** Air Toxics Website


[Text Version](#)
[Rules & Implementation](#)
[NATA](#)
[Risk Studies](#)
[Education & Outreach](#)
[About Air Toxics](#)
[Pollutants & Sources](#)
[State, Local, Tribal Resources](#)
[Publications](#)
[Contacts](#)
[Technical Resources](#)
[New](#)

Air Toxics Website:
www.epa.gov/ttn/atw

Rules & Implementation
National Air Toxics Assessment
About Air Toxics
Urban, Great Waters & Regional Programs
Education & Outreach

What's New **Technical Resources** **State, Local & Tribal Programs** **Publications** **Contacts** **Pollutants & Sources**

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- Rules & Implementation
- National-Scale Air Toxics Assessment
- Urban, Great Waters Regional Programs
- Education & Outreach
- About Air Toxics
- Pollutants & Sources
- State, Local, Tribal Resources
- Publications
- Program Contacts

U.S. Environmental Protection Agency

Technology Transfer Network Air Toxics Website

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[EPA Home](#) > [Technology Transfer Network](#) > [Air Toxics Website](#) > Rules and Implementation

Rules and Implementation

The Clean Air Act requires EPA to regulate emissions of [toxic air pollutants](#) from a published list of industrial sources referred to as "source categories." As required under the Act, EPA has developed a [list of source categories](#) that must meet control technology requirements for these toxic air pollutants. The EPA is required to develop regulations (also known as rules or standards) for all industries that emit one or more of the pollutants in significant quantities. EPA has developed implementation tools (eg. checklists, brochures) to help comply with the standards.

- [National Emission Standards for Hazardous Air Pollutants](#)
- [NESHAP Implementation Tools Available](#) ——— Lists rules w/ tools (Slide 8)


Implementation/Compliance Assistance Tools - You will find a list of rules (and tools and direct links) for the Maximum Achievable Control Technology Standards (MACTs).

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National Emission Standards for Hazardous Air Pollutants				
(Alphabetical Order)				
NESHAP (MACT) STANDARD Source Categories Affected	CFR Sub Parts	Final Fed Register Date & Citation	Compliance Date	Project Lead
Aerospace Industry	GG	09/01/95 (60FR45948)	09/01/98	Barbara Driscoll 919-541-1051 driscoll.barbara@epa.gov
Asbestos	M	CFR 61.140		Susan Fairchild 919-541-5167 fairchild.susan@epa.gov
Asphalt Roofing & Processing <ul style="list-style-type: none"> • Asphalt Roofing 	LLLLL	04/29/03 (68 FR 22975)	xxxx	Rick Colyer 919-541-5262 colyer.rick@epa.gov

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Rule & Implementation Pages



Rules & Implementation
National-Scale Air Toxics Assessment
Urban, Great Waters, Regional Programs
Education & Outreach
About Air Toxics
Pollutants & Sources
State, Local, Tribal Resources
Publications
Contacts
Technical Resources

U.S. Environmental Protection Agency


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Air Toxics Website

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Rule and Implementation Information for the Aerospace Industry

[\(Docket#A-92-20\)](#)
last updated 1/16/04

From the listing below, find the file you would like to download. The document may be available in one or more file formats, as represented by the icons on the right hand side of the listing. Click on the icon that represents the format you wish to receive. An  on the left side of the listing indicates that a description of the file is available for viewing on-line.

[Rule Information](#) [Technical Information](#) [Implementation Information](#)

Rule Information

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Other Resources

- General Provisions, Subpart A
- OAQPS Technical Products & Services mini-CD
- National Environmental Compliance Assistance Clearinghouse

General Provisions, Subpart A

Don't forget about the GPs

General Provisions (40 CFR Part 63)

www.epa.gov/ttn/atw/gp/gppg.html

*Webpage has **lots** of tools including example report forms and a keyword index to the rule*

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OAQPS Technical Products & Services CD

"The CD takes information buried in the depths of your website and brings it to the surface, what a great tool!"

AWMA participant

The CD will help you:

- Learn about products/services that you may not have know existed
- Locate products/services more efficiently
- Find contacts for our products/services

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National Clearinghouse

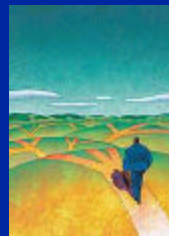
<http://cfpub2.epa.gov/clearinghouse/index.cfm>

- Quick access to compliance tools and contacts
- Enter your projects to increase visibility and availability of tools
- Find partners by sharing planned activities with others
- Exchange information using topic-specific bulletin boards

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10yr Surface Coating MACTs

Improving the Process
& Paving New Ground



Tool Development Efforts

Low Effort Rules

Auto
Fabric Printing
Large Appliances
Metal Can
Metal Coil
Metal Furniture

High Effort Rules

POWC
Wood Building
Miscellaneous Metal
Plastic Parts

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Low Effort Rules

Basic Tools

Basic educational tools included:

- Overview Brochure (tri-fold)
- Compliance Timeline
- Potential Source List
- List of Trade Organizations

Smaller number of tools based on limited resources

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High Effort Rules

Basic Tools + More

More advanced types of tools include:

- Rule Overview Summary
- Applicability Flowcharts
- Compliance Option Flow Diagrams
- Q&As + More

Number of tools developed based on partnerships established.

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New Surface Coating MACTs Websites

Auto & Light Duty Truck	www.epa.gov/ttn/atw/auto/autopg.html
Fabric, Printing Coating & Dyeing^	www.epa.gov/ttn/atw/fabric/fabricpg.html
Large Appliances^	www.epa.gov/ttn/atw/lapp/lapplpg.html
Metal Can^	www.epa.gov/ttn/atw/mcan/mcanpg.html
Metal Coil^	www.epa.gov/ttn/atw/mcoil/mcoilpg.html
Metal Furniture^	www.epa.gov/ttn/atw/mfurn/mfurnpg.html
Misc. Metal Parts	www.epa.gov/ttn/atw/misc/miscpg.html
Paper & Other Web	www.epa.gov/ttn/atw/powc/powcpg.html
Plastic Parts	www.epa.gov/ttn/atw/plastic/plasticpg.html
Wood Building Products	www.epa.gov/ttn/atw/wbldg/wbldgpg.html

^Rules with completed tools

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Keeping Track of Progress

Tool Development Plans

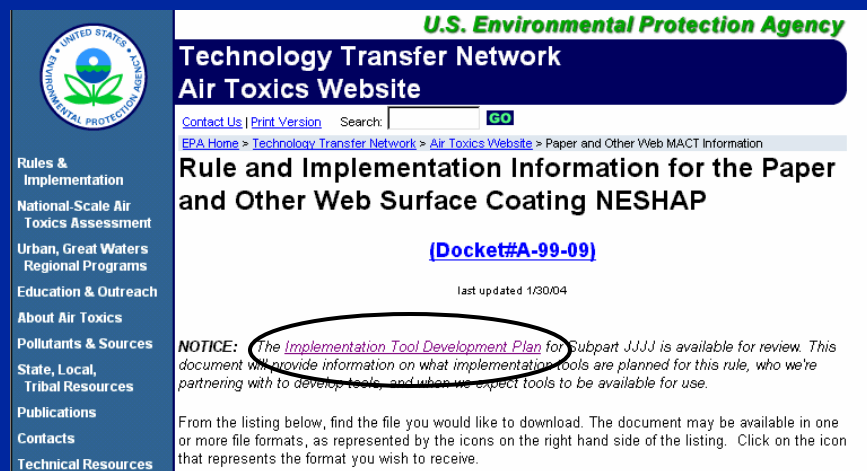
Developed for each of the 10 new surface coating rules

- What tools we're planning for that rule
- Who we're partnering with to develop tools
- When we expect tools to be available

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Tool Development Plans

Accessible on Rule Specific Pages



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Technology Transfer Network
Air Toxics Website

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Rule and Implementation Information for the Paper and Other Web Surface Coating NESHAP

(Docket#A-99-09)

last updated 1/30/04

NOTICE: The [Implementation Tool Development Plan](#) for Subpart JJJJ is available for review. This document will provide information on what implementation tools are planned for this rule, who we're partnering with to develop tools, and when we expect tools to be available for use.

From the listing below, find the file you would like to download. The document may be available in one or more file formats, as represented by the icons on the right hand side of the listing. Click on the icon that represents the format you wish to receive.

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Tool Development Plans

Tool	Tool Development Lead	Target Due Date from Leads (est.)	Final Tools Complete (est.)
EPA POWC Air Toxics Website (ATW) - Rule and Implementation Webpage for Subpart JJJJ	EPA OAQPS	Complete	Updates as needed
Table of Available Implementation Tools (not otherwise identified here)	Moved to the POWC Rule and Implementation Page		
List of Primary Trade Associations	Moved to the POWC Rule and Implementation Page		
Source Information [From BID Document]	Moved to the POWC Rule and Implementation Page		
Source Identification Cookbook (scanned version)	Moved to the POWC Rule and Implementation Page		
Potentially Effected Source List	Moved to the POWC Rule and Implementation Page		

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Completed Tools

Tool Development Plans go away

Rules & Implementation
National-Scale Air


Rule and Implementation Information for the Paper and Other Web Surface Coating NESHAP


Implementation Information



Implementation Tool Development Process - Background Information

A copy of the [2002 Information Exchange Forum Meeting Summary](#) is now available for review. Information in the meeting summary includes draft review process flow diagrams and implementation tool definitions. The Information Exchange was held in RTP NC September 24, 2002 to continue meaningful dialog with established partners for the Paper and Other Web (POWC) implementation tool development effort. You may also view the meeting summary from the [2001 Information Exchange Forum](#). For more information on this project, contact Ingrid Ward (USEPA) at 919-541-0300.

Source Identification and Location Information

04/18/00 SIC Codes affecting the Paper and Other Web Coating Industry [updated 1/21/03 to include NAICS Codes for corresponding industries] 

9/20/96 Source Identification Procedures for Sources Subject to Regulations under Section 111(d) of the CAA as Amended in 1990 [Enabling Document, Scanned Version, not POWC specific] 

1996 Potentially effected source list. The list does not identify all potentially affected sources. Facilities identified on this list may no  

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POWC Coating MACT

Implementation Tool Development Partnership



EPA and YOU

23/25 identified tools have leads



Establishing Partnerships that make the difference



Establishing partnerships with industry, trades, S/L and RO staff for better tool development

Implementation Partners

- EPA Region I [Adopt-A-MACT]
- NY Department of Environmental Conservation (NY DEC)
- Flexible Packaging Association (FPA)
- Pressure Sensitive Tape Council (PSTC)
- Graphic Arts Technical Foundation (GATF)
- Screen Printing & Graphic Imaging Association (SGIA)

POWC Project Background

Sept 27, 2001 Information Exchange

- Who is our audience?
- What types of tools do they need?

Sept 24, 2002 Information Exchange –
continue meaningful dialog

- Defined tools to be developed
- Developed review process

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Information Exchange Forum

Sept 24, 2003 Information Exchange –
final formal exchange

- Final workgroup review of 5
additional tools

Information Exchange meeting notes
available on the POWC website

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Accomplishments to Date

- 25 priority tools identified in 2002
 - Applicability flowcharts
 - Frequently asked questions (FAQ)
 - Inspection checklists
 - Example HAP data sheet
 - + 21 more
- Partners committed to produce 22 implementation tools – 13 completed

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Accomplishments to Date

In addition to our tool development efforts, it is important to recognize that this partnership effort has had a positive effect on how we inter-relate with our partners and stakeholders.

The positive experiences gained under this effort will help create strong and lasting relationships of the future.

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10 yr Coatings - Next Steps

Continue to work together ...

- Auto & Light Duty Truck
- Misc. Metal partnership
- Plastic Parts partnership (start 2/04)
- POWC partnership (finish, May 04)
- Wood Building Products (final rule tools)



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Evaluating Existing Tools

Aerospace Outreach Effectiveness Survey



- Survey is online website
- Takes only 5 minutes
- Allows users to tell us what worked best
- Can be adapted for use with other tools/products

<http://yosemite.epa.gov/oar/aerosurvey.nsf/survey1?openform>

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Thank You
for your
continued
support



EPA
and You



Establishing Partnerships that
make **THE** Difference